

Sea Technology Index, Volume 16, 1975

This is a three-part, instant-reference index of technical material and news appearing in Sea Technology magazine, Volume 16, 1975. Part 1, Monthly Contents; Part 2, Authors; Part 3, Subject Index. Numbers following title, author or subject are month and page numbers.

PART 1 — MONTHLY CONTENTS

JANUARY 1975

Private Investment: The Key Economic Indicator (editorial)	7
Soundings	9
Marine Electronics	11
Offshore Engineering	11
Ships and Structures	13
Ocean Research	14
Marine Pollution	16
Letters	17
Microprogrammable Signal Processor Adapts To Changes In Acoustic Signals	18
Oil Industry Hopes To Tap Domestic Energy Resources	21
Ocean Resource Development Becoming More Significant	21
Congressional Interest High In National Ocean Affairs	23
Law-Of-The-Sea Agreement Now Appears Possible	25
Bright Economic Outlook For Oceanic Industries	26
A Year Of Progress; A Challenging Future	28
International Exploration Locates Minerals And Oils	29
USCG Sets Broader Use Of Pollution Control Systems	30
Long-Term Prospects Bright For U.S. Shipbuilding	31
Sea Grant Program Sees Productive Year	32
Joint Venture Commitments Highlight Ocean Mining Year	32
Marine Issues Confront 94th U.S. Congress	33
States Enthusiastic About Coastal Zone Program	35
Trident Program Solidified By The SALT Agreement	36
National Ocean Program Moving In New Directions	37
Record Peacetime Orders Total \$4 Billion In 1974	38
Capital Report	39
Navy Currents	40
International	41
Contracts	42
Product Development	43
People	46

FEBRUARY 1975

A Continuing Battle (editorial)	5
Soundings	7
Offshore Engineering	9
Ships And Structures	11
Ocean Research	12
Marine Electronics	14
New Magnetic Compass Operates At Depths To 22,000 Feet	15
ENDECO Formed To Meet Hydrographic Instrumentation Demands	16
Opinion Poll Results	18
Sonar Calibration: A New Technique	19
Heated Water From Power Plant Put To Good Use By Oyster Farm	21
Marine Pollution	22
Capital Report	24
Navy Currents	25
Meetings	26
Company Notes	26
Product Development	27
International	29
People	30
Contracts	33
Letters	34

MARCH 1975

Imco's Prolonged Labor (editorial)	7
Soundings	9
Ships And Structures	11
Ocean Research	13
Marine Pollution	15
New Diving Tables Permit More Rapid Decompression	17
Ocean Programs Take Share Of Federal Budget Increases	20
A New Automated Laboratory Salinometer	23

Basic Radiopositioning Systems Spawn Versatile Offshoots	26
Offshore Engineering	32
Capital Report	34
Letters	36
Navy Currents	37
Marine Electronics	39
Product Development	41
International	44
People	45
Contracts	49

APRIL 1975

24 - x = 28 (editorial)	7
Soundings	9
Marine Electronics	11
Ocean Research	11
Offshore Engineering	15
Ships And Structures	17
Marine Pollution	20
Design Of An Underwater Communications Transducer	23
Environmental Statements For Offshore Operations	25
Contribution Of Offshore Studies To Engineering Projects	31
Offshore Technology Conference, Houston, Texas	36
Capital Report	39
Navy Currents	42
International	43
Contracts	44
Product Development	45
People	48

MAY 1975

Sea Communications: A Leapfrogging Technology (editorial)	7
Soundings	9
Marine Electronics	10
Offshore Engineering	10
Ships And Structures	13
The Mariner's Satellite	14
Divers Use Oxygen-Nitrogen Mixture And New Diving Tables During SCORE	16
A New Era For Marine Radio	17
Three Edgerton 'Alumni' Make Splashes For Themselves As Heads Of Their Own Companies	21
International	24
Ocean Research	26
Navy Currents	28
Capital Report	29
Marine Pollution	31
Company Notes	32
Letters	33
Contracts	34
Product Development	35
People	38

JUNE 1975

Rx: A Positive Posture (editorial)	7
Soundings	9
Marine Electronics	10
Ships And Structures	10
Ocean Research	15
Marine Pollution	15
Evolution Of Salinity/Temperature/Depth Instrumentation	18
1975 Directory Of Oceanographic Research	21
Vessels	21
Loran-C Schedules Updated	35
Offshore Engineering	37
Capital Report	37
Inco Sea Horse Institute Marks 25th Year	38
People	39
Product Development	40
Navy Currents	42
Contracts	43

JULY 1975

Dixy Is No Patsy (editorial)	7
Soundings	9
Marine Electronics	10
Ships And Structures	13
Ocean Research	14

How To Pick Special Purpose Shipboard Winches	16
Aramid (Kevlar) Use In Parallel Yarn Rope	19
Specifying Electro-Mechanical Cables	21
Down Deeper On Air	24
Capital Report	26
Offshore Engineering	27
Navy Currents	28
Marine Pollution	28
Letters	31
Product Development	33
People	36
Contracts	37

AUGUST 1975

Inventory & Audit: VI (editorial)	7
Soundings	13
Ocean '75 Conference, September 22-24, 1975	13
Multiple Input Adaptive Recorder Designed For Floating Oils Rigs	19
Shipwreck Sites Found By Magnetometer Survey	20
Deepwater Port Regulations	23
IDOE At Its Halfway Mark Begins To Show Positive Results	27
Marine Electronics	31
Marine Pollution	33
Ships And Structures	34
Capital Report	39
Ocean Research	41
Navy Currents	43
Offshore Engineering	44
Company Notes	36
International	37
People	46
Product Development	47
Contracts	51

SEPTEMBER 1975

A Small Step (editorial)	7
Soundings	9
Ships And Structures	11
Marine Electronics	15
MTS, IEEE Awards	17
The New Integrated Navigation Systems	18
Marine Magnetometer Locates Submarine Cables	21
1975 Directory Of Geophysical Survey	23
Vessels	23
Navy Currents	33
Capital Report	34
Marine Pollution	36
Ocean Research	37
Offshore Engineering	39
Editor's Corner	41
Product Development	42
People	44
Contracts	45

OCTOBER 1975

Trial Marriage (editorial)	7
Soundings	9
Marine Pollution	11
Ocean Research	13
Weicker Believes Scientists Need Not Be Expert Divers	15
U.S. Coast Guard — Focal Point In Marine Pollution Control	16
EDO's 50 Years — The Inheritance Constant	18
Computerized Drafting Makes Drawings Do More Work	21
Offshore Engineering	23
Ships And Structures	24
Capital Report	26
Navy Currents	27
Marine Electronics	28
Company Notes	29
International	30
Product Development	31
People	32
Contracts	33

NOVEMBER 1975

Whose Ocean Is The Indian Ocean? (editorial)	7
Soundings	9

Sea Technology Index, Volume 16, 1975

This is a three-part, instant-reference index of technical material and news appearing in Sea Technology magazine, Volume 16, 1975. Part 1, Monthly Contents; Part 2, Authors; Part 3, Subject Index. Numbers following title, author or subject are month and page numbers.

PART 1 — MONTHLY CONTENTS

JANUARY 1975

Private Investment: The Key Economic Indicator (editorial)	7
Soundings	9
Marine Electronics	11
Offshore Engineering	11
Ships and Structures	13
Ocean Research	14
Marine Pollution	16
Letters	17
Microprogrammable Signal Processor Adapts To Changes In Acoustic Signals	18
Oil Industry Hopes To Tap Domestic Energy Resources	21
Ocean Resource Development Becoming More Significant	21
Congressional Interest High In National Ocean Affairs	23
Law-Of-The-Sea Agreement Now Appears Possible	25
Bright Economic Outlook For Oceanic Industries	26
A Year Of Progress; A Challenging Future International Exploration Locates Minerals And Oils	29
USCG Sets Broader Use Of Pollution Control Systems	30
Long-Term Prospects Bright For U.S. Shipbuilding	31
Sea Grant Program Sees Productive Year Joint Venture Commitments Highlight Ocean Mining Year	32
Marine Issues Confront 94th U.S. Congress States Enthusiastic About Coastal Zone Program	35
Trident Program Solidified By The SALT Agreement	36
National Ocean Program Moving In New Directions	37
Record Peacetime Orders Total \$4 Billion In 1974	38
Capital Report	39
Navy Currents	40
International	41
Contracts	42
Product Development	43
People	46

FEBRUARY 1975

A Continuing Battle (editorial)	5
Soundings	7
Offshore Engineering	9
Ships And Structures	11
Ocean Research	12
Marine Electronics	14
New Magnetic Compass Operates At Depths To 22,000 Feet	15
ENDECO Formed To Meet Hydrographic Instrumentation Demands	16
Opinion Poll Results	18
Sonar Calibration: A New Technique Heated Water From Power Plant Put To Good Use By Oyster Farm	21
Marine Pollution	22
Capital Report	24
Navy Currents	25
Meetings	26
Company Notes	26
Product Development	27
International	29
People	30
Contracts	33
Letters	34

MARCH 1975

Imco's Prolonged Labor (editorial)	7
Soundings	9
Ships And Structures	11
Ocean Research	13
Marine Pollution	15
New Diving Tables Permit More Rapid Decompression	17
Ocean Programs Take Share Of Federal Budget Increases	20
A New Automated Laboratory Salinometer	23

Basic Radiopositioning Systems Spawn Versatile Offshoots	26
Offshore Engineering	32
Capital Report	34
Letters	36
Navy Currents	37
Marine Electronics	39
Product Development	41
International	44
People	45
Contracts	49

APRIL 1975

24 - x = 28 (editorial)	7
Soundings	9
Marine Electronics	11
Ocean Research	11
Offshore Engineering	15
Ships And Structures	17
Marine Pollution	20
Design Of An Underwater Communications Transducer	23
Environmental Statements For Offshore Operations	25
Contribution Of Offshore Studies To Engineering Projects	31
Offshore Technology Conference, Houston, Texas	36
Capital Report	39
Navy Currents	42
International	43
Contracts	44
Product Development	45
People	48

MAY 1975

Sea Communications: A Leapfrogging Technology (editorial)	7
Soundings	9
Marine Electronics	10
Offshore Engineering	10
Ships And Structures	13
The Mariner's Satellite	14
Divers Use Oxygen-Nitrogen Mixture And New Diving Tables During SCORE	16
A New Era For Marine Radio	17
Three Edgerton 'Alumni' Make Splashes For Themselves As Heads Of Their Own Companies	21
International	24
Ocean Research	26
Navy Currents	28
Capital Report	29
Marine Pollution	31
Company Notes	32
Letters	33
Contracts	34
Product Development	35
People	38

JUNE 1975

Rx: A Positive Posture (editorial)	7
Soundings	9
Marine Electronics	10
Ships And Structures	10
Ocean Research	15
Marine Pollution	15
Evolution Of Salinity/Temperature/Depth Instrumentation	18
1975 Directory Of Oceanographic Research	21
Vessels	21
Loran-C Schedules Updated	35
Offshore Engineering	37
Capital Report	37
Inco Sea Horse Institute Marks 25th Year	38
People	39
Product Development	40
Navy Currents	42
Contracts	43

JULY 1975

Dixy Is No Patsy (editorial)	7
Soundings	9
Marine Electronics	10
Ships And Structures	13
Ocean Research	14

How To Pick Special Purpose Shipboard Winches	16
Aramid (Kevlar) Use In Parallel Yarn Rope	19
Specifying Electro-Mechanical Cables	21
Down Deeper On Air	24
Capital Report	26
Offshore Engineering	27
Navy Currents	28
Marine Pollution	28
Letters	31
Product Development	33
People	36
Contracts	37

AUGUST 1975

Inventory & Audit: VI (editorial)	7
Soundings	13
Ocean '75 Conference, September 22-24, 1975	13
Multiple Input Adaptive Recorder Designed For Floating Oils Rigs	19
Shipwreck Sites Found By Magnetometer Survey	20
Deepwater Port Regulations IDOE At Its Halfway Mark Begins To Show Positive Results	27
Marine Electronics	31
Marine Pollution	33
Ships And Structures	34
Capital Report	39
Ocean Research	41
Navy Currents	43
Offshore Engineering	44
Company Notes	36
International	37
People	46
Product Development	47
Contracts	51

SEPTEMBER 1975

A Small Step (editorial)	7
Soundings	9
Ships And Structures	11
Marine Electronics	15
MTS, IEEE Awards	17
The New Integrated Navigation Systems Marine Magnetometer Locates Submarine Cables	21
1975 Directory Of Geophysical Survey	23
Vessels	23
Navy Currents	33
Capital Report	34
Marine Pollution	36
Ocean Research	37
Offshore Engineering	39
Editor's Corner	41
Product Development	42
People	44
Contracts	45

OCTOBER 1975

Trial Marriage (editorial)	7
Soundings	9
Marine Pollution	11
Ocean Research	13
Weicker Believes Scientists Need Not Be Expert Divers	15
U.S. Coast Guard — Focal Point In Marine Pollution Control	16
EDO's 50 Years — The Inheritance Constant	18
Computerized Drafting Makes Drawings Do More Work	21
Offshore Engineering	23
Ships And Structures	24
Capital Report	26
Navy Currents	27
Marine Electronics	28
Company Notes	29
International	30
Product Development	31
People	32
Contracts	33

NOVEMBER 1975

Whose Ocean Is The Indian Ocean? (editorial)	7
Soundings	9

Strategic Consequences of Antisubmarine Warfare	11
Top Level Defense Guidance in ASW Grows	16
Operation 'Nimbus Moon Water'	21
Ships And Structures	25
Ocean Research	27
Offshore Engineering	31
Navy Currents	32
Marine Electronics	33
International	35
Marine Pollution	36
Capital Report	37
Company Notes	38
Product Development	39
People	42
Contracts	43

DECEMBER 1975

Ferment in the Commercial Diving Industry (editorial)	7
Soundings	9
Commercial Diving — An Expanding Market	10
Divers Work On Well Head At 1,600 Feet In Wet Pot	16
Diving — A Key Element In Offshore Development	19
Harbor Branch — Overcoming Man's Pollution Of The Marine Environment	22
Open Sea Dives Continue After Record Is Broken	25
Marine Pollution	27
International	29
Company Notes	30
Marine Electronics	30
Ocean Research	31
Offshore Engineering	33
Ships And Structures	34
Capital Report	35
People	36
Product Development	37
Letters	39
Sea Technology Index, Volume 16, 1975	40
Contracts	42

PART 2 — AUTHORS

Abel, Dr. Robert B.	1/32
Arnold, J. Barto III	8/20
Berian, Albert G.	7/21
Blackwell, Robert J.	1/38
Booda, Larry L.	1/7, 1/36, 2/5, 2/16, 3/7, 3/20, 4/7, 5/7, 5/21, 6/7, 7/7, 8/7, 8/27, 9/7, 10/7, 10/15, 10/16, 10/18, 11/7, 11/16, 12/7, 12/9, 12/16
Caldwell, Vice Adm. Turner F.	11/11
Clausen, Carl J.	8/20
Dauphinee, Dr. T. M.	3/23
Dorion, C.	5/14
Downing, Rep. Thomas N.	1/21
Flippe, John E.	1/32
Hollings, Sen. Ernest F.	1/23
Hood, Edwin M.	1/31
Hood, H. A.	7/19
Ikard, Frank N.	1/21
Jaeger, Jack E.	6/18
Jennings, Feenan D.	1/29
Johnson, E. A.	9/21
Kelly, Lt. Lawrence M.	11/21
Klein, H. P.	3/23
Knecht, Robert W.	1/35
Koblick, Ian G.	7/24
Kratz, G.	1/18
Lautz, John	10/21
Marchand, George P.	2/19
Marks, B. M.	4/23
Matthews, Charles D.	1/26
Miller, Henry J.	4/31
Miller, Dr. James W.	12/19
Moyer, James R.	9/18
Mulcahy, Michael	1/33, 6/21, 9/23, 12/10
Olsen, W. S.	4/23
Ploegert, John C.	7/16
Price, Rear Adm. Robert I.	1/30
Raimondo, Natale	9/18
Schoning, Robert W.	1/28
Warden, Richard V.	5/17
White, Dr. Robert M.	1/37

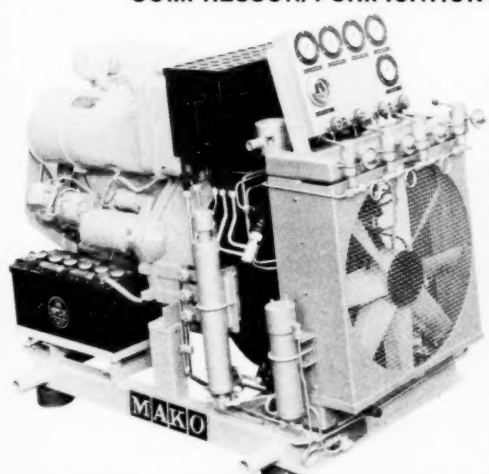
PART 3 — SUBJECT INDEX

anchor, propellant-actuated	5/28, 11/31
aquaculture	2/12
Aramid Kevlar	7/19
ASW	4/42, 10/9, 11/11, 11/16
Bahamas Hydrolab dive beam-bending machine	10/15
Beluga Spooker	4/17
budget, Federal Ocean Programs	7/9
buoy, deep-sea	3/21
buoy, instrumentation	8/9
cable, electromechanical	5/13
technology	7/21
cliff wall mooring system	1/40, 5/28
coastal zone management	9/41
commercial diving systems	1/35
communications, marine	12/10
satellite	5/7, 5/17, 6/10
compass, magnetic	6/10
computerized drafting	2/15
Condeep Oil Platform	10/21
continental margins, geology	10/24
Copenhagen seawater	3/33
CURV	4/43
deepwater draft ports	5/28
regulations	1/16, 8/23

deep-sea Buoy	8/9
Deep Sea Drilling Project	8/9, 9/9, 12/31
Deepwater Test Facility	1/41
directory, research vessel	6/21
geophysical survey	9/23
diver, rewarming system	2/10
thermal garment	3/32
diving, simulated	10/23
on air tables	7/24
diving systems, commercial	3/17, 5/16
Doppler survey	12/10
Edgeton alumni	3/32
Edo Corporation	5/21
electromechanical cables	10/19
El Nino Current	7/21
ENDECO	3/44, 6/9
energy, R&D, federal funding	2/16
thermal, ocean	6/38, 9/37
tidal	1/41
wind	2/13
Environmental, buoy	2/14
Environmental, studies	7/10
ERDA	2/24, 3/34, 5/9
fishing limitation, Canada	10/30, 11/35
Norway	1/41
GARP	3/13
Geophysical Survey Vessel Directory	9/21
Glomar Explorer	4/9
hydroacoustic fish counting	5/27
Hydrofoil Missile ship	2/11
Hydrogen, as vessel fuel	3/37
hydrophane, deep-ocean	3/39
hyperbaric research	8/44
I.D.O.E.	1/29, 8/27
IMCO	3/7
Indian Ocean	1/17
Institute For Engineering Research In The Oceans	1/39, 9/7
ITT Decca Marine	1/11
Law of the Sea	1/9, 1/25, 6/7, 6/37
leasing, offshore	5/29
USS Glenard P. Lipscomb	2/25
LNG modular sections	2/11
Loran-C	1/11, 6/35, 10/28
magnetometer, marine	9/21
survey	8/20
manganese nodule mining	1/11, 1/33
marine agencies, federal	4/7
MARISAT	5/14, 6/10
Monitor	3/34, 5/23
multiple input adaptive recorder	8/19
NACOA	3/34, 9/7
National Marine Fisheries Service	1/28, 3/13
National Ocean Program	1/37
navigation, satellite	5/14
navigation system, integrated	9/18
N.O.I.A.	4/39
nuclear power, for commercial ships	2/11
plant, environmental study	2/23
ocean affairs, congressional interest	1/23, 8/39
1/33, 5/29, 7/26	8/39
ocean, investment	1/7, 1/26
mining	1/11, 1/33, 7/26
resource development	1/21, 2/24
thermal energy	6/38, 9/37
Ocean '75 conference	8/13
Oceanology International Conference	5/12
OCS, test drilling	1/12
offshore, leasing	5/29
studies	4/31, 5/12
Offshore Technology Conference	4/36, 6/9, 6/37
oil spill recovery systems	2/23, 4/20, 5/31, 7/13, 10/11, 11/36
over-the-horizon-radar	8/31
oyster farming	2/21, 5/26
pipe welding system, automatic	3/33
reinforced plastic vessels	6/17
pollutants, optical properties	6/17
pollution, marine	2/22, 2/23, 3/15, 5/31, 10/11
radioactive	3/16, 5/31, 7/28
radar, over-the-horizon	8/31
radiopositioning systems	3/26
Ray, Dr. Dixy Lee	1/39, 7/7
recompression chamber	2/9
recorder, multiple input adaptive	8/19
research vessel directory	2/11
RUWS	2/25, 5/28
salinometer, laboratory, automated	3/23
SATCOM	6/10
satellite navigation	5/14
positioning system	7/10
radar	6/9
SCORE	5/16, 7/9
Sea Grant	1/32
semisubmersible drill rigs	2/9
shipbuilding	1/31, 1/38, 3/11
signal processor, microprogrammable	1/18
single point moorings	4/15
Society of Exploration Geophysicists	1/9, 2/19
sonar, calibration	9/34
S/T/D instrumentation	6/18
Suez Canal, clearance	11/21
submersible rescue	2/7, 3/11
surface effect ship	4/18, 6/42
survey, magnetometer	8/20
superconductivity	7/9, 7/31
synthetic fuels	6/42
tanker mooring load telemetry	7/10
TASS	5/28
transducer, communications, underwater	4/23
TRIDENT program	1/36
200-mile limit	7/26
U.S. Coast Guard	1/30, 10/16
winches, shipboard, special purpose	7/16

MAKO® KA 20 - DDK

COMPRESSOR/PURIFICATION SYSTEM



- 500 PSI Delivery @ 21 CFM
- Diesel Powered
- ASME Plumbing
- Safety factor of 4:1 on all pressure vessels
- Filtration exceeds all U.S. requirements including California's which call for less than 70 PPM of water vapor.
- Meets or exceeds all CGA, NFPA, OSHA and U.S. Navy Standards.

WRITE TODAY FOR COMPLETE DETAILS AND SPECIFICATIONS

MAKO®

ENGINEERING

P.O. BOX 630605 Ojus Branch
 Miami, Florida 33163
 3131 N.E. 188th Street
 Miami, Florida 33160
 PHONE: (305) 931-2300
 TELEX: 51-9352

Circle No. 34 on Inquiry Card

Sea Technology | December 1975 41